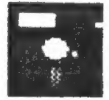


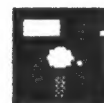
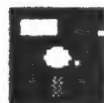
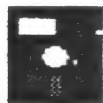
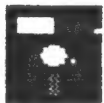
Nov/Dec 91



ISTUG WISHES ALL OF YOU ALL THE BEST FOR THE HOLIDAY SEASON !!!

I
S
T
U
G

STILL USING SINCLAIRS AND LOVING IT. THANKS SIR CLIVE.



* INDIANA SINCLAIR-TIMEX NEWSLETTER *

Nov--Dec 1991

Editor - Frank Davis
Assist - M. Felerski
Publisher-Carol Davis

This issue....

Next meetings -- January, February and March
Mechanical Affinity Mini-Catalog
USERS'S GROUP Magazine Order Form (this offer is available
to all readers of this newsletter, good prices!). These
are greatly reduced prices on popular computer magazines.
Send your order and payment to Paul Holmgren in order to
get your subscriptions.
FORGOTTEN TIPS by Mike Felerski (TS1000 and TS2068)
UPDATE Magazine Subscription Form
QUANTA Membership Application (the largest QL User Group
in the world, with monthly magazine and 40+ meg of public
domain and shareware programs for members only. All you
pay for is media and postage.)
The latest QUANTA Program Library Update
A map of how to get to the ISTUG Meetings

MEETINGS OF ISTUG

The January meeting will-be on January 25th , 1:30 PM at the
Eagledale Public Library. For those who need directions call
Paul Holmgren at 317-291-6002 or Frank Davis at 317-473-8031.
All meetings, unless notified otherwise are held the last
Saturday of each month, at 1:30 P.M. at the Eagledale Public
library. The meeting for February will be held at the same time
and place on 29th of February. That's right we have a Leap Year!
The meeting for March will-be held on March 28th, same time and
place. For those who are new or have not been to a meeting for a
while we have enclosed a map showing how to get there. You are
always welcome to bring a guest, either family or friends. ISTUG
meetings are not tightly ran as a club with Roberts Rules of
Order. They are for getting help with a computing problem,
showing off that new hardware or software, and for finding out
what is happening in computing. We do not bite, nor do we try to
be gurus. Friends helping friends.

NEWS AND APOLOGY

First let me say that I realize this newsletter will be
getting out late. The reasons are good, but personal. Too much
to do in too little time. I shall continue to try to do my best,
but if any complain too loudly the job of newsletter editor will
be offered to them.

For both the January and the February meeting I suggest we
all bring some old software or hardware that we do not use to
either swap or sell to one another. Perhaps that way we can all
find something no longer offered by our few remaining dealers
that we have always wanted. I will bring some of my stuff. See
you at the meetings.

FWD

MECHANICAL AFFINITY CATALOG

The following are now available from Mechanical Affinity for your Sinclair home or business computer. Most items listed are available in quantity. Orders may be placed by check or money order to either Paul Holmgren, 5231 Wilton Wood Ct., Indianapolis In, 46254 317-291-6002,or to Frank Davis, 513 East Main St., Peru, In 46970 317-473-8031. Do not make the check out to Mechanical Affinity.

All funds are in U.S. dollars, and include postage paid except where noted to include additional packing and insurance.

BOOKS

SYNCWARE NEWS Vol. 1	\$8	All volume 1 issues bound in one book
TOURING THE TS2068 ROM OPERATING SYSTEM by WIDJUP	\$12	
QL TECHNICAL GUIDE	\$15	
QL SERVICE MANUAL	\$12	

extras & new items

Replacement or backup power supply for the QL, no serious user should be without one. Available for only \$15.

Micro Drive Cartridges 4 for \$15

MDV labels, 3 sheets for \$1.25. For the QL.

QL replacement membranes for keyboard \$15.

Disk Drives, half height 3 1/2 and 5 1/4. Order from Paul at \$55 @ for 3 1/2 or 5 1/4, or \$165 for dual 3 1/2's w/ case & power.

Panasonic KX-3131 Daisy Wheel Printer, with extra ribbons and print wheels for \$115, includes P. & H. Parallel Interface.

Towa Daisy Wheel Printer with extra ribbons and print wheels, parallel interface, QUME compatible for ribbons and print wheels. For only \$115, includes P. & H.

5 1/4" 360K or 729K disks with Tyvek sleeves-- 100 for \$18.00

IBM Keyboards, 101 keys PC-AT types, for \$15 each.

LOTUS 1-2-3, new never used fullpackage with registration papers for only \$75. For IBM or Compatible or QL IBM Emulator.

Commodore 1520 Color Plotter Printer with John McMichael Board that allows this to be used on TS2068 with Oliger motherboard. Includes software, all for only \$100.

Rotronics Wafadrive, two 128K stringy floppy drives, parallel and serial printer ports, Spectrum mode only, for \$90.

NEW

GOLD CARD FOR THE QL. THIS ALLOWS YOU TO HAVE 2 MEG OF MEMORY, 16 MEGAHERTZ SPEED. upto 4 times the present speed of your QL, AND USE UPTO THREE DRIVES INCLUDING THE 1.4 AND NEW 3.2 MEG DRIVES. HAS FULL TK2 AND EVEN INCLUDES THE CODE FOR OPERATING A WINCHESTER HARD DRIVE (hard drive interface and hard drive not included). All of this for only \$500 plus \$10 for insurance and handling. We take care of any import duty. Prepayment and please allow extra time for shipping.

Full Trump Card, with TK2, and capable of 2 drives, giving you a full memory of 896K. All for only \$225, insured.

Add on for QL Trump Card to allow you to use upto 4 drives and latest operating system upgrade for only \$40.

NEW FOR THE Z88!

Soft carrying case for the Z88. Protect your notebook sized computer from accidents and the elements. This case is also handy for those with the Laser PC3, Compumate 3 or PC4. \$10

User's Group Magazine Order Form

Magazine	Cover Price	Subscription Per Year	Member Cost	Total
<input type="checkbox"/> Byte	\$4.95	... \$29.95	... \$14.97	_____
<input type="checkbox"/> Compute	2.95	..... 24.00	..... 11.97	_____
<input type="checkbox"/> Computer Crafts	2.95	..... 18.97	..... 10.49	_____
<input type="checkbox"/> Computer Shopper	2.95	..... 29.97	..... 15.97	_____
<input type="checkbox"/> DBMS	2.95	..... 24.95	..... 14.97	_____
<input type="checkbox"/> Dr. Dobbs	2.95	..... 29.97	..... 14.97	_____
<input type="checkbox"/> Home Office Computer	2.95	..... 19.97	..... 9.97	_____
<input type="checkbox"/> LAN Technology	2.95	..... 29.97	..... 15.97	_____
<input type="checkbox"/> MacUser	2.95	..... 27.00	..... 13.47	_____
<input type="checkbox"/> MacWorld	4.95	..... 30.00	..... 14.97	_____
<input type="checkbox"/> Mobile Office	3.95	..... 23.90	..... 11.95	_____
<input type="checkbox"/> PC Computing	2.95	..... 25.00	..... 12.47	_____
<input type="checkbox"/> PC Laptop	2.95	..... 25.00	..... 13.47	_____
<input type="checkbox"/> PC Magazine	2.95	..... 44.97	..... 22.47	_____
<input type="checkbox"/> PC Novice	2.95	..... 24.00	..... 11.97	_____
<input type="checkbox"/> PC Today	2.95	..... 24.00	..... 11.97	_____
<input type="checkbox"/> PC World	3.95	..... 29.90	..... 14.95	_____
<input type="checkbox"/> Publish	3.95	..... 39.90	..... 19.95	_____
<input type="checkbox"/> Personal Publishing	2.95	..... 24.00	..... 13.97	_____
<input type="checkbox"/> Personal Workstation	3.95	..... 29.94	..... 15.97	_____
Total Due				_____

Method of Payment:

☐ Check or MO ☐ Master Card ☐ Visa ☐ American Express

Card # _____ Expires _____

Signature _____

Send to:

Name: _____

Company: _____

Address: _____

City: _____ State: _____ Zip: _____

Tel: _____ Fax: _____

User Group Affiliation: Indiana Sinclair Timex User Group

FORGOTTEN TIPS

By Mike Fellerski



*Programming tips
which should not
be lost to time.*

I WAS GOING THROUGH MY COLLECTION OF VARIOUS TIMEX SINCLAIR MAGAZINES AND NEWSLETTERS THE OTHER EVENING. ALMOST ALL OF THE PUBLICATIONS HAVE GONE OUT OF BUSINESS AND OUT OF PRINT. AS I PAGED THROUGH SOME OF THE ISSUES, I REALIZED THAT THERE WAS QUITE A BIT OF INFORMATION WHICH COULD BECOME LOST WITH TIME. SO, FROM THE DEPTHS OF TIME DESIGNS, SUM, ZX COMPUTING AND TS HORIZONS, I BRING YOU SOME OF THE BEST OF THE PROGRAMMING TIPS FOR THE TS1000 AND TS2068 COMPUTERS:

1. TS2068 And Spectrum Save

IF YOU WISH TO REPLACE THE "START TAPE THEN PRESS ENTER" MESSAGE, TRY THE FOLLOWING:

```
10 PRINT #0;"PLEASE START YOUR  
TAPE", "AFTER WHICH PRESS ENTER"  
20 POKE 26689,38: SAVE "TEST"
```

WHEN USING A SPECTRUM, YOU CAN USE POKE 23736,181 WHICH WILL START SAVING IMMEDIATELY.

2. Cleaning Messy Load Screens

MANY PROGRAMS WILL LOAD AN INTRODUCTION SCREEN BEFORE LOADING THE PROGRAM ITSELF. OFTEN WHEN THE PROGRAM BEGINS TO LOAD, THE PROGRAM NAME WRITES OVER THIS SCREEN.

TO AVOID THIS, WE CAN ADD TO THE SCREEN LOADER PROGRAM A:

```
POKE 23570,16
```

THEN, AFTER THE PROGRAM HAS LOADED, WE MUST THEN:

```
POKE 23570,6
```

THIS WILL ALLOW PRINTS AND LISTS TO WORK AS NORMAL. WITHOUT THIS POKE, PRINTS WILL NOT WORK CORRECTLY.

3. Playing with the INKEY\$ Prompt

DID YOU EVER WISH YOU COULD FORCE THE PROMPT IN AN INKEY\$ OR INPUT COMMAND? SAY YOU WANT TO FORCE ALL INPUT TO BE IN UPPERCASE, LOWERCASE, GRAPHIC OR EXTENDED MODE... HERE IS HOW IT CAN BE DONE:

```
POKE 23658,8 FOR UPPERCASE MODE  
POKE 23658,0 FOR LOWERCASE MODE
```

```
POKE 23617,2 FOR GRAPHIC MODE  
POKE 23617,1 FOR EXTENDED MODE
```

4. A PAUSE 0 Command for the 1000

ONE USEFUL FEATURE ON THE TS2068 AND SPECTRUM COMPUTERS IS THE COMMAND, PAUSE 0, WHICH CAUSES THE COMPUTER TO GO INTO A WAIT STATE UNTIL A KEY ON THE KEYBOARD IS PRESSED. THE TS1000/1500 DOES NOT SUPPORT PAUSE 0. SO IN ORDER TO PAUSE LIKE THE TS2068, USE:

```
PAUSE 20000
```

THIS COMMAND HAS THE SAME EFFECT AS THE PAUSE 0 COMMAND ON THE TS2068 WHERE THE TS1000 WILL WAIT IN A LOOP FOR THE PRESS OF A KEY.

5. TS1000 Available RAM Check

HERE IS A COMMAND WHICH WILL REVEAL THE AMOUNT OF RAM WHICH IS AVAILABLE FOR PROGRAMMING, (I.E. RAMTOP) ON THE TS1000/1500 COMPUTERS:

```
PRINT((PEEK 16388+256*PEEK 16389)  
-16384)/1024;"K AVAILABLE"
```

6. 16K Programs-32K RAM and the TS1000 A-J Microdrive

THE A&J MICRODRIVE FOR THE TS1000 USES 1K OF RAM WHEN SAVING AND LOADING. WHEN YOU HAVE A TS1000 PROGRAM WHICH TAKES UP AT LEAST 15K OR MORE, DATA CAN AND WILL BE CORRUPTED WHEN YOU CALL UP THE FULL FEATURE MAIN MENU. IN ORDER TO USE THE MICRODRIVE AND THE LARGER PROGRAMS, YOU MUST ADD A 16K RAM PACK TO EITHER THE TS1000 OR TS1500 AND ENTER THE FOLLOWING ON POWER-UP:

```
POKE 16388,0  
POKE 16389,188  
NEW
```

THEN USE RAND USR 13082 TO ACCESS THE FULL FEATURED MAIN MENU, BECAUSE THE RAMTOP WILL BE SET TO 31K LEAVING 1K FOR THE A&J DRIVE.

UPDATE SUBSCRIPTION FORM

Please fill out this form and either turn it in or send it via the U.S Mail, along with your check, money order or cash in the amount of \$18.00 U. S. in order to start or renew your subscription. \$20.00 U.S. if living outside North America.

(All subscriptions run from Oct. issue to July issue.)

UPDATE Subscription Form and User Data Base.

1. Please enclose \$18.00 for starting a subscription for the year 1992 for those living in North America. The price is \$20.00 U.S. for those outside North America. Thank You!

2. Mail to: Update Magazine, P.O. Box 1095, Peru, IN 46970.

3. Your Computer: ☐ QL ☐ TS-2068 ☐ Z88 ☐ ZX81

4. -If TS-2068 please check type of DOS: ☐ LKDOS ☐ OLIGER
☐ A&J ☐ WAFADRIE ☐ FD-68 ☐ TOS ☐ SPDOS

5. If QL please check: ☐ Trump ☐ Sandy ☐ CST intfc.
☐ Gold Card ☐ Unexpanded QL ☐ Addl Ram

6. Please check type of disk drive: ☐ 5 1/4" ☐ 3 1/2" ☐ 3"
☐ SS ☐ DS ☐ 360K 40 track ☐ 720K 80 track
☐ 1.4 meg ☐ 3.2 meg

7. Brand and model printer _____

8. Please print your name and mailing address or affix a mailing label.

\$18.00 U.S. A year

PLEASE FILL OUT OR PHOTOCOPY

AND SEND IN WITH YOUR CHECK

FOR SUBSCRIPTION

(\$20.00 outside North America)

9. Update welcomes your constructive comments.

Please send this form to
UPDATE MAGAZINE, P.O. BOX 1095, PERU, IN 46970
Publishers- Frank and Carol Davis

MEMBERSHIP DETAILS

The Credit Card Authority below and the Standing Order Mandate overleaf enable you not only to pay the current subscription now, but also, if you wish, to renew your subscription automatically each year.

☐ PLEASE CHARGE MY CREDIT CARD ACCOUNT

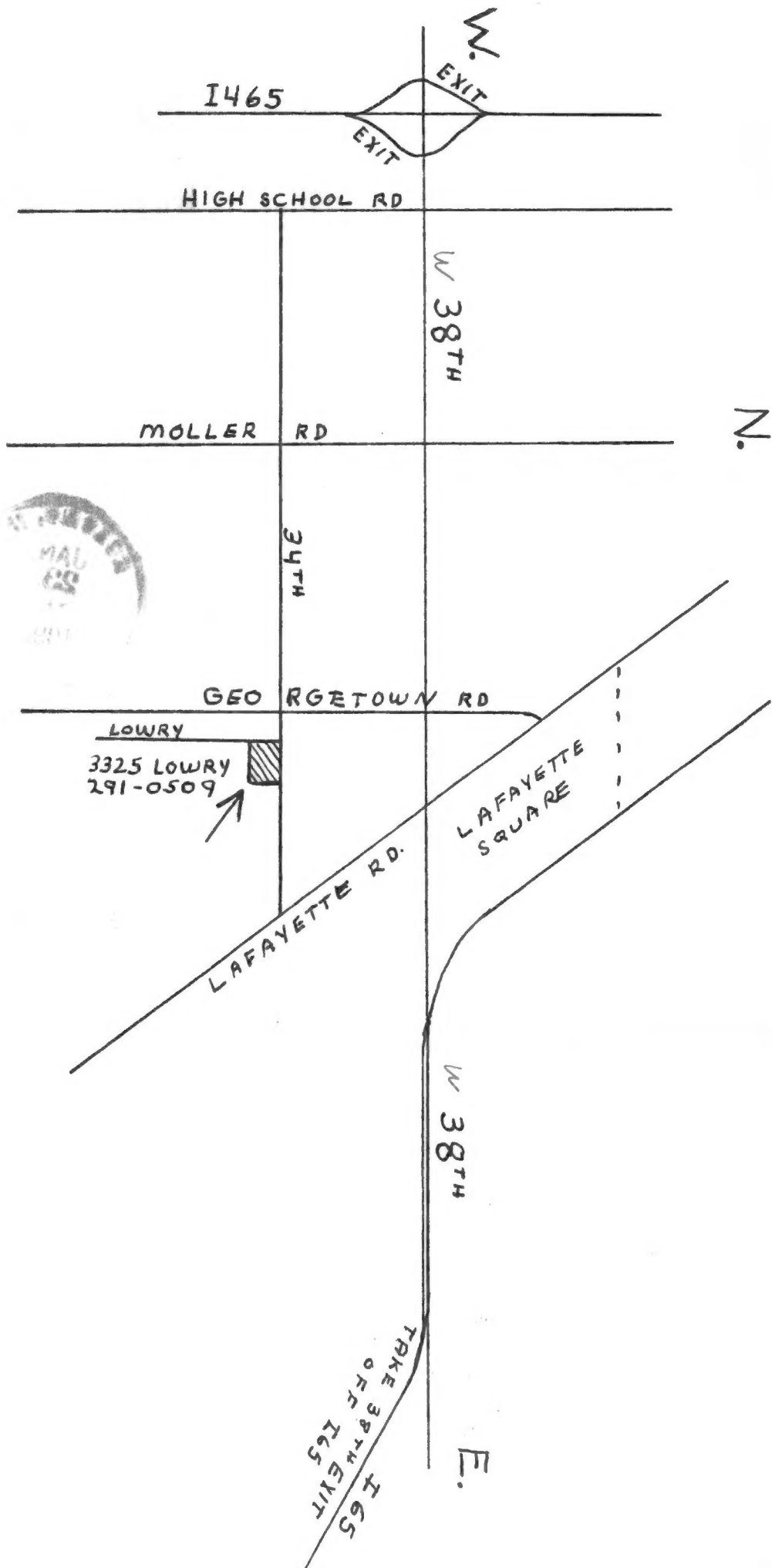
Please insert your Card Number inside and then sign.

Signature.....Date.....

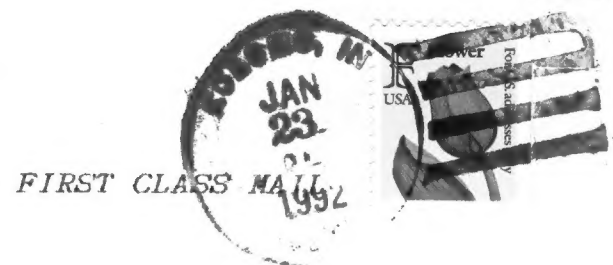
QUANTA's Nov. 1991 revisions of the Library added files to
9 disks and added 3 new disks to the library.

Disk Name	Contents	Free Sectors
DUAL_GUIDE....	(Archive based Library Guides).....	650+
C.A.D_1.....	(Computer Aided Design).....	312
COMMS_XFER1...	(COMMunicationS/transfer).revised Nov.91.	309
COMMS_XFER2...	(a BBS program)New Nov.90.revised Nov.91.	429
EDUC_1.....	(EDUCational).....revised Nov.90.	345
GAMES_GEN1....	(GENERAL games).....	222
GAMES_GEN2.....	.....	330
GAMES_GEN3.....	.....New Nov.90.revised Nov.91.	963
GMS_STRAT1....	(GaMes advent/STRATegy).....	108
GMS_STRAT2.....	.....	105
GMS_STRAT3.....	.....	75
GMS_STRAT4.....	.....revised Nov.90&91.	546
GRAPHICS_1....	(Graphics programs).....	231
GRAPHICS_2.....	.....revised Nov.90.	435
KERMIT_1.....	(Kermit for the QL).....	99
KERMIT_2.....	.....	825
KERMIT_3.....	.....	354
LANGUAGES_1...	(Forth, C, etc).....	264
MANDEL_1.....	(MANDELbrot programs).....revised Nov.90.	138
MANDEL_2.....	.....New Nov.90.	12
MATHS_1.....	(Maths, etc).....	186
MATHS_2.....	.....	888
MISC_DEMO_1...	(MISC & DEMOnstration)....revised Nov.90.	729
MISC_DEMO_2.....	.....New Nov.90.	87
MISC_DEMO_3.....	.....New Nov.90.revised Nov.91.	228
PAGE_DES.....	(Version 1).....	60
PRT_FONTS_1...	(PRInTer utilities & FONTS).....	243
PRT_FONTS_2.....	.....	222
PRT_FONTS_3.....	.....revised Nov.90&91.	744
PSION_1.....	(PSION utilities etc).....	144
PSION_2.....	.....revised Nov.90.	195
PSION_3.....	.....re-issued Nov.90.	345
PSION_4.....	.....New Nov.91.	831
QDOS_JM_1.....	(JM ROM decoded).....	501
QDOS_JM_2.....	.....	687
QDOS_JM_3.....	.....	45
QDOS_JM_4.....	.....	225
QDOS_JS_1.....	(JS ROM).....	459
SPECIALS_0....	(Reserved - T. TEBBY + TRAPS ONLY).....	1032
SPECIALS_1....	(Specialist programs).....	255
SPECIALS_2.....	.....revised Nov.91.	108
SPECIALS_3.....	.....revised Nov.91.	276
SPECIALS_4.....	.....New Nov.90.	315
SPECIALS_5.....	.....New Nov.91.	330
UTIL_DRCPY....	(DiR & CoPY UTILities)....revised Nov.91.	552
UTIL_EMACS....	(Micro EMACS V3.9 SOURCE FILES).....	36
UTIL_EMAC2....	(Run version. NON-SOURCE + new doc's)....	704
UTIL_GEN_1....	(General utilities).....	144
UTIL_GEN_2.....	.....revised Nov.90.	96
UTIL_GEN_3.....	.....revised Nov.90.	333
UTIL_GEN_4.....	.....New Nov.91.	954
UTIL_TKMC_1...	(ToolKits/MachineCode).....	201
UTIL_TKMC_2.....	.....revised Nov.90.	903

Paul Holmgren, U.S. Librarian, 5231 Wilton Wood Ct.
Indianapolis, IN . 46254«



I. S. T. U. G.
513 EAST MAIN STREET
PERU, IN 46970



Address correction requested:

To: LAMBERT DON 97
1301 KIBLINGER PLACE.
AUBURN, IN 46706

ISTUG is a not for profit, educational organization dedicated to helping users of Timex, Sinclair and Cambridge computers. We offer a hardcopy and software library for our membership along with technical assistance and monthly meetings (usually the last Saturday of the month at 1:30 P.M.). Full membership is available at \$12 per year and newsletter only subscriptions at \$9 per year. Send all inquiries, along with SASE, to ISTUG, 513 E. Main St., Peru, IN, 46970.